

origin: United States. **developed:** G.H. Abel, D.G. Lorange. **origin institute:** Agricultural Research Service -- USDA, Phoenix, Arizona United States. **cultivar:** DART. **pedigree:** A5731-5/61114-29-9-4-9, F7. **other id:** CV-7. **source:** Crop Sci. 15(1):100 1975. **group:** CSR-SAFFLOWER. **other id:** US 12295. **other id:** W6 12772. **group:** W6. **remarks:** Tolerant to prevalent races of *Phytophthora drechsleri* (fungus that causes root rot in safflower). Moderately resistant to rust (*Puccinia carthami*) and verticillium wilt (*Verticillium albo-atrum*). Cold-tolerance during early growth. Plant height equals that of Frio and is 5-15cm taller than Gila. Canopy smaller than Gila but equal to Frio. Head diameter similar to Gila and Frio. Flowers yellow in both fresh and dry condition. Blooming and maturity dates similar to Frio but several days later than Gila. Cultivar. Seed.

PI 572436. *Carthamus tinctorius* L. ASTERACEAE Safflower

Donated by: Zimmer, D.E., Agricultural Research Service -- USDA, Logan, Utah 84321, United States; and Utah Agr. Exp. Sta.. Received 1968.

origin: United States. **developed:** D.E. Zimmer, A.L. Urie. **origin institute:** Agricultural Research Service -- USDA, Crops Research Division, Logan, Utah 84321 United States. **cultivar:** LEED. **pedigree:** U-1421/Gila, F3. **other id:** CV-5. **source:** Crop Sci. 8(4):511 1968. **group:** CSR-SAFFLOWER. **other id:** U-153. **other id:** W6 12773. **group:** W6. **remarks:** Particularly well-adapted to irrigated production in the Inter-mountain Region, and has performed well in irrigated trials in California. Not performed well in dryland or in irrigated trials in Arizona. When grown in 13 competitive yield trials in Utah, Idaho, and California, out-yielded Ute, Gila and Frio by 7.0, 18.1 and 24.5%, respectively. Oil percentage exceeded Gila and Ute by approx. 1% and was equal to Frio. Higher in test weight than Frio and equal to Gila and Ute. Slightly taller than Gila and matured later. Cultivar. Seed.

PI 572437 to 572443. *Carthamus tinctorius* L. ASTERACEAE Safflower

Donated by: Urie, A.L., Agricultural Research Service -- USDA, Crops Research Division, Logan, Utah 84321, United States; and California Agr. Exp. Sta.. Received 1970.